

### Abstract

The invention relates to a solar collector for focusing solar radiation onto a focal line, said solar collector comprising a carrier for a grooved, arched reflector. According to the invention, the carrier comprises a plurality of molded grooves which each have a parabolic lateral edge; the molded grooves are surrounded by an outer film; the reflector consists of an elastic reflector material; and the form of the reflector is impressed on the elastic reflector material, directly or by inserting a carrier, by means of the parabolic lateral edge.